

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091018\
 Data File : VW005257.D
 Acq On : 10 Sep 2018 22:35
 Operator : SY/AP
 Sample : J4838-01
 Misc : 4.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1A-G-090718-1

Quant Time: Sep 11 03:53:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	494214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	745473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	657476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	258756	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	178542	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
35) Dibromofluoromethane	7.89	113	172393	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	
50) Toluene-d8	10.33	98	747245	37.87	ug/l	0.00
Spiked Amount			Recovery	=	75.74%	
62) 4-Bromofluorobenzene	12.63	95	220225	30.51	ug/l	0.00
Spiked Amount			Recovery	=	61.02%	

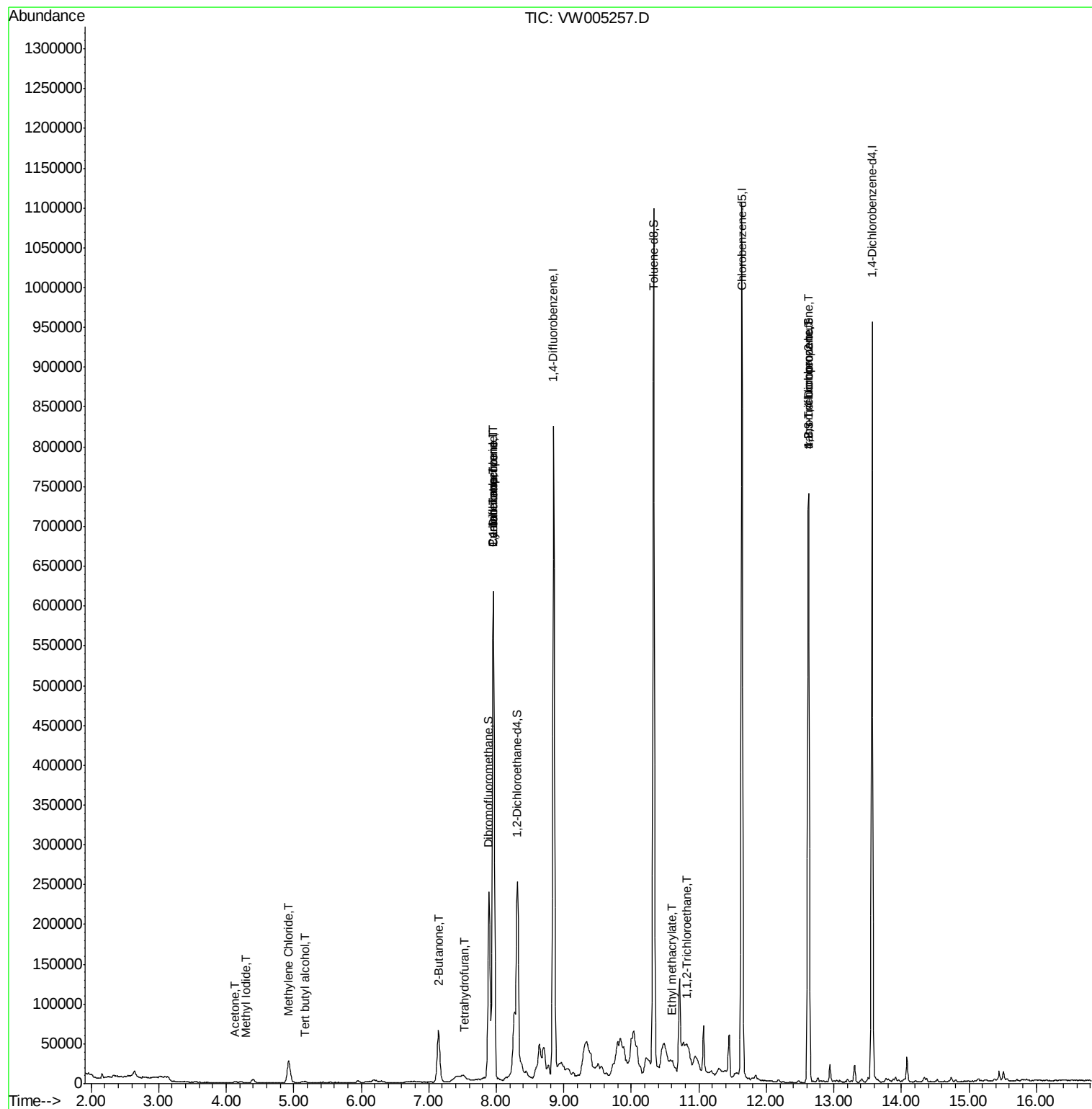
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	643	Below Cal		84
10) Methyl Iodide	4.29	142	706	3.452	ug/l #	71
11) Tert butyl alcohol	5.17	59	3547	11.734	ug/l #	82
16) Acetone	4.13	43	2659	3.886	ug/l	94
20) Methylene Chloride	4.93	84	22710	1.256	ug/l	92
25) 2-Butanone	7.15	43	3165	2.933	ug/l #	75
29) Tetrahydrofuran	7.53	42	781	1.074	ug/l #	76
31) Cyclohexane	7.96	56	8706	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.96	75	33427	4.894	ug/l #	48
38) Carbon Tetrachloride	7.96	117	43509	6.801	ug/l #	17
55) 1,1,2-Trichloroethane	10.82	97	5599	1.483	ug/l #	16
56) Ethyl methacrylate	10.61	69	8994	1.879	ug/l #	29
76) 1,2,3-Trichloropropane	12.63	75	102627	51.566	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	102627	120.933	ug/l #	16

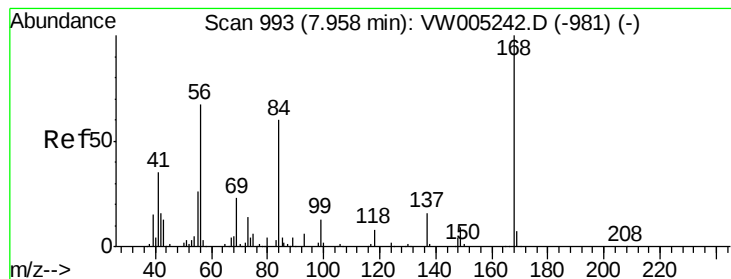
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

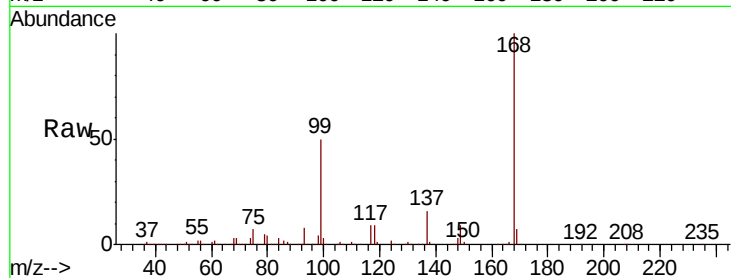
SUP-1A-G-090718-1

Tgt Ion:168 Resp: 494214

Ion Ratio Lower Upper

168 100

99 50.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

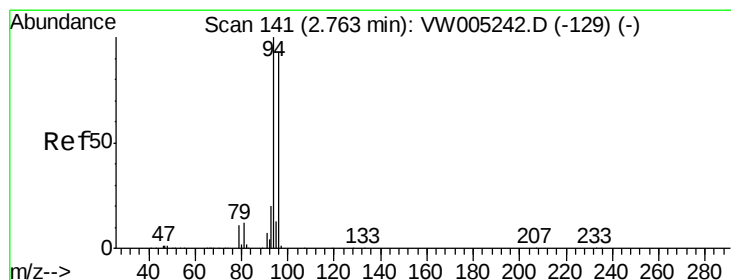
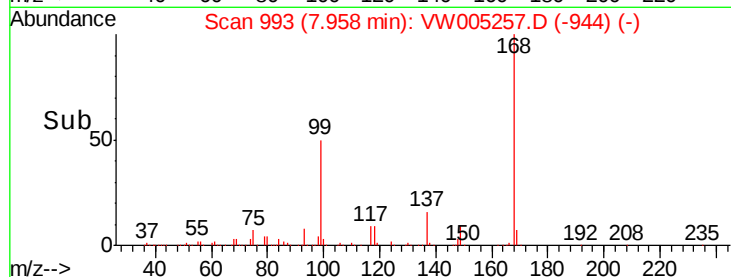
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100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 144

Delta R.T. 0.02 min

Lab File: VW005257.D

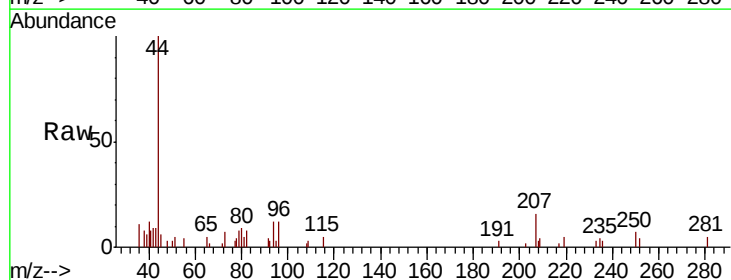
Acq: 10 Sep 2018 22:35

Tgt Ion: 94 Resp: 643

Ion Ratio Lower Upper

94 100

96 76.9 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

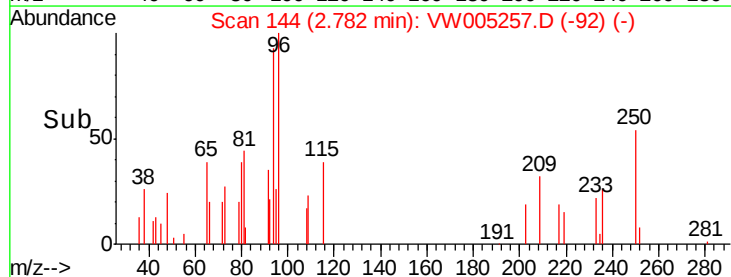
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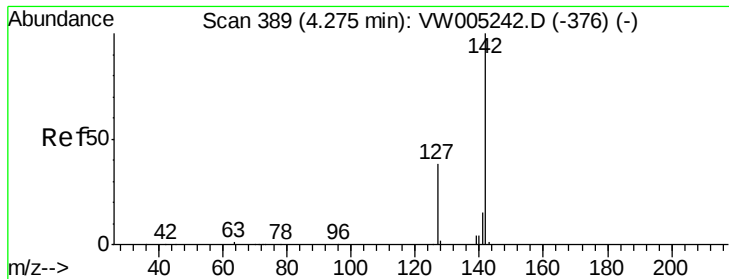
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100

0

Time-->

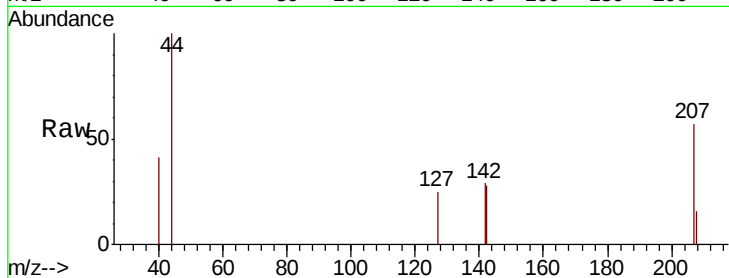




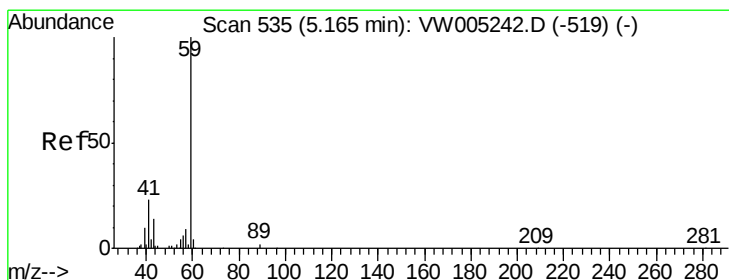
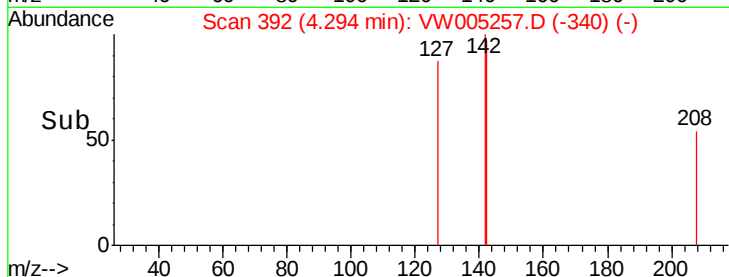
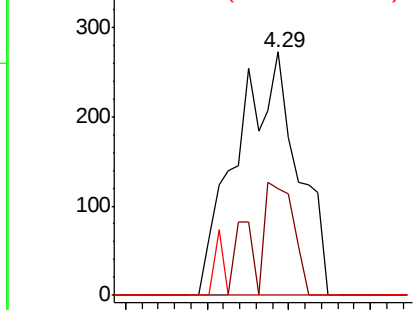
#10
Methyl Iodide
Concen: 3.452 ug/l
RT: 4.29 min Scan# 392
Delta R.T. 0.02 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-1

Tgt Ion: 142 Resp: 706
Ion Ratio Lower Upper
142 100
127 21.5 30.3 45.5#
141 0.0 11.4 17.0#

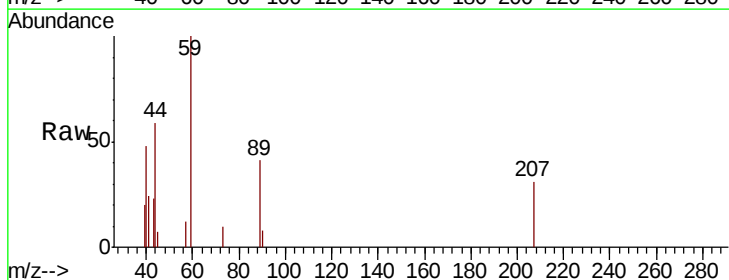


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

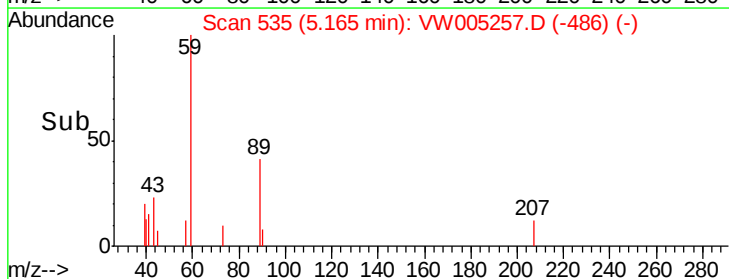
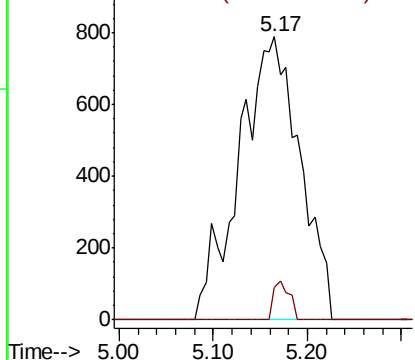


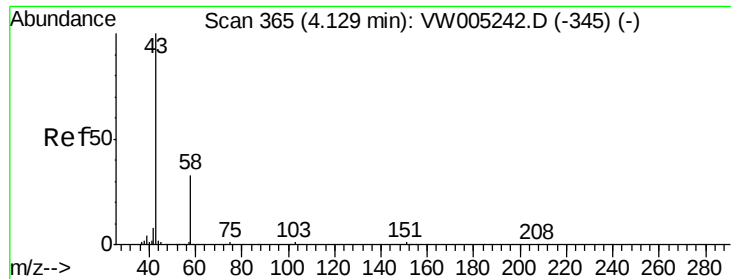
#11
Tert butyl alcohol
Concen: 11.734 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

Tgt Ion: 59 Resp: 3547
Ion Ratio Lower Upper
59 100
57 3.5 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW

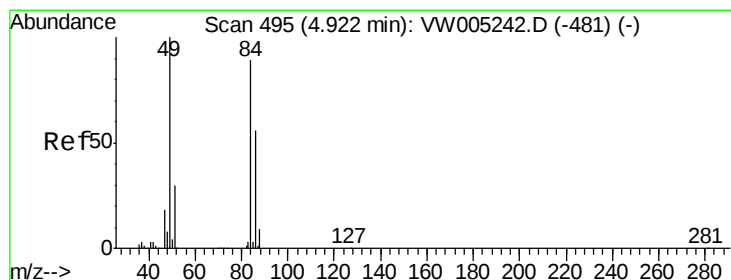
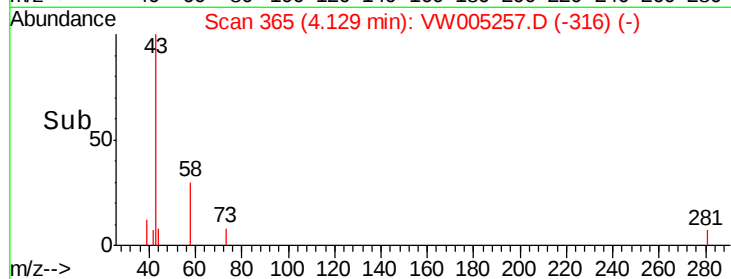
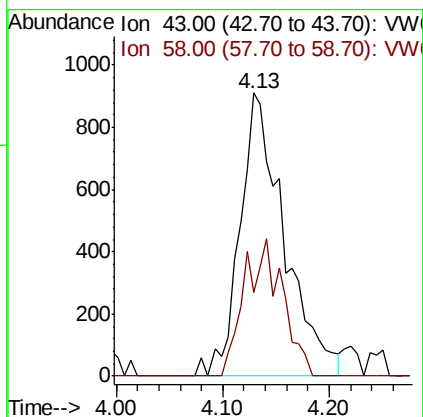
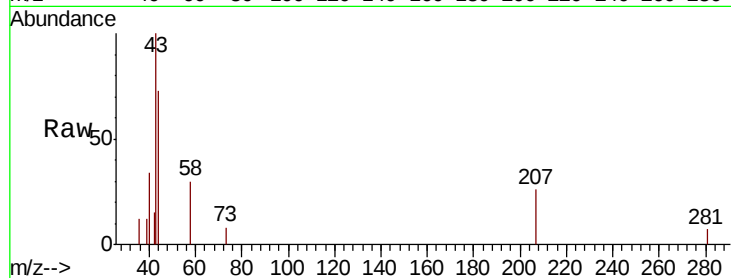




#16
Acetone
Concen: 3.886 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.00 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

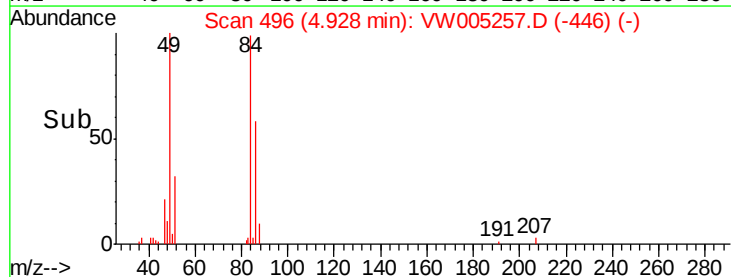
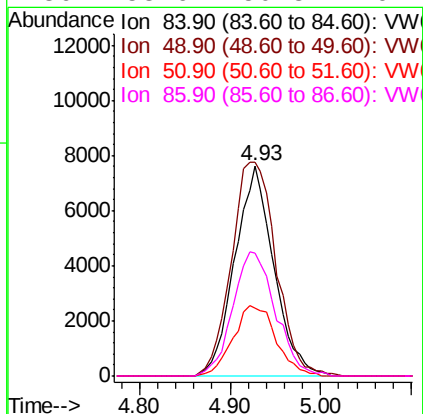
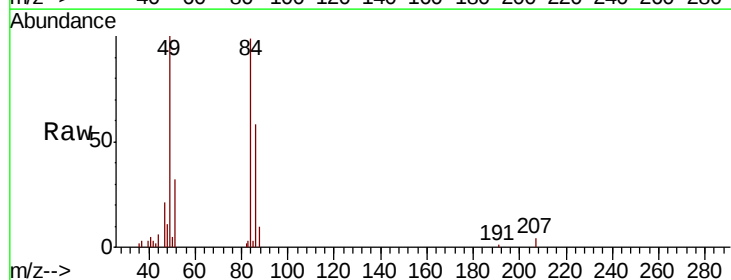
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-1

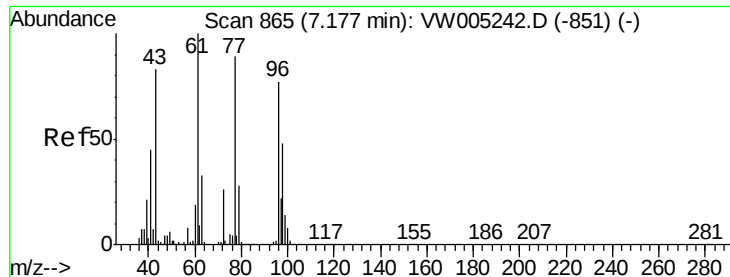
Tgt Ion: 43 Resp: 2659
Ion Ratio Lower Upper
43 100
58 29.8 26.7 40.1



#20
Methylene Chloride
Concen: 1.256 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

Tgt Ion: 84 Resp: 22710
Ion Ratio Lower Upper
84 100
49 101.5 90.3 135.5
51 32.6 26.9 40.3
86 58.6 50.8 76.2





#25

2-Butanone

Concen: 2.933 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.03 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

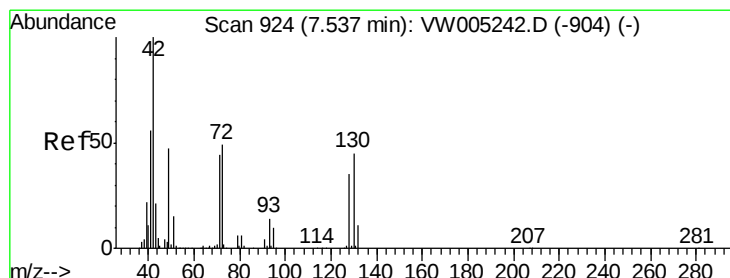
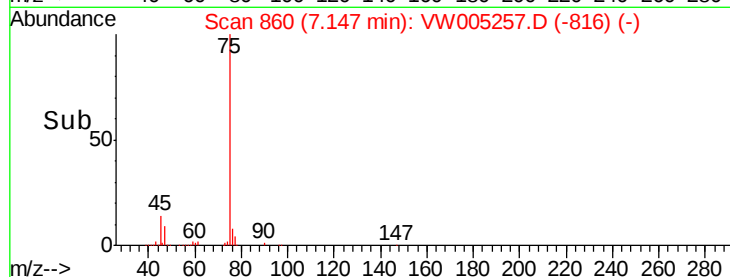
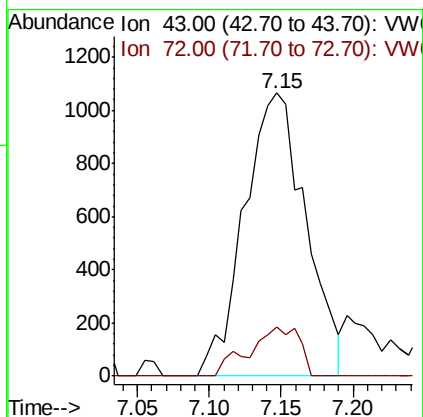
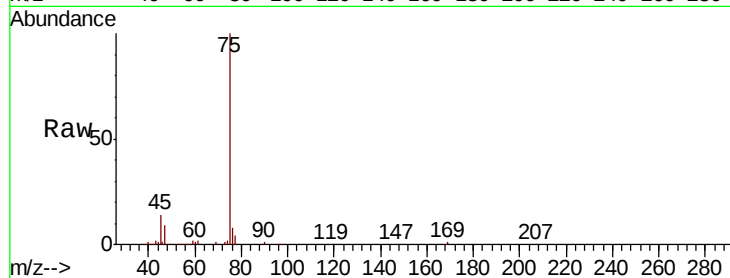
SUP-1A-G-090718-1

Tgt Ion: 43 Resp: 3165

Ion Ratio Lower Upper

43 100

72 17.4 25.0 37.6#



#29

Tetrahydrofuran

Concen: 1.074 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

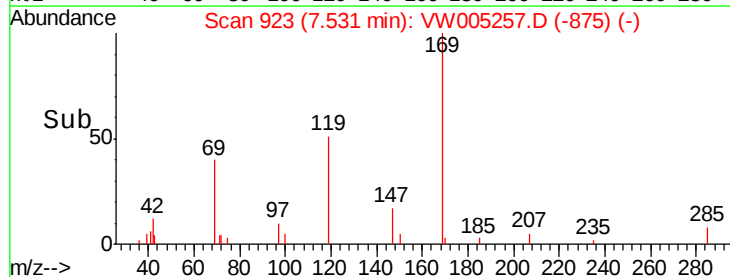
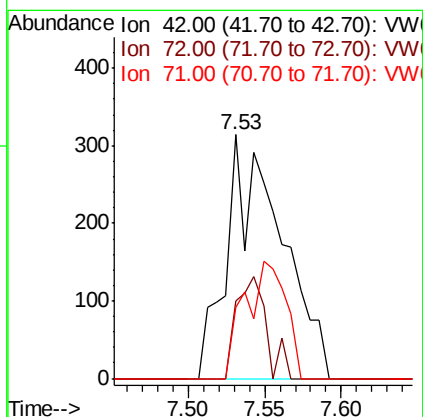
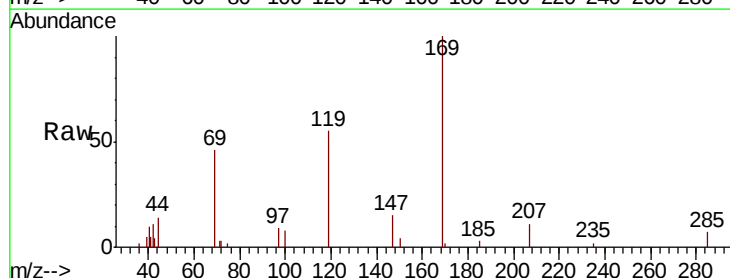
Tgt Ion: 42 Resp: 781

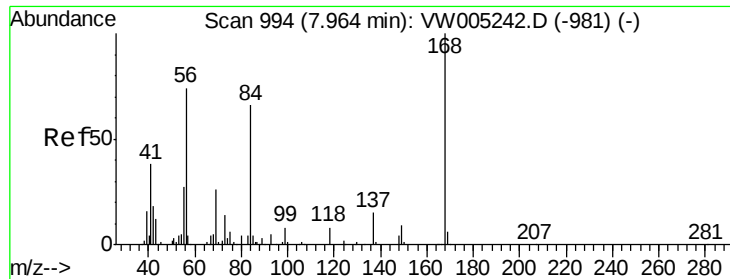
Ion Ratio Lower Upper

42 100

72 22.8 37.5 56.3#

71 36.1 34.8 52.2

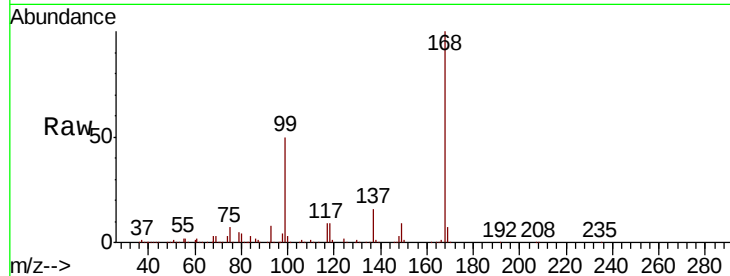




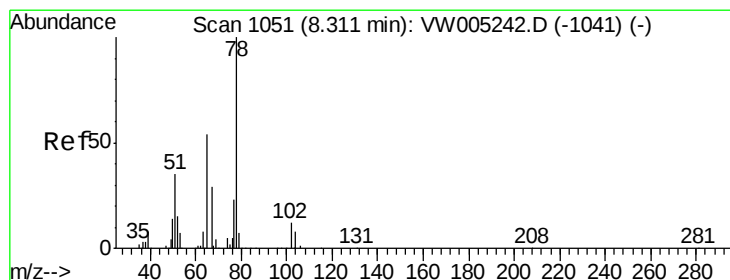
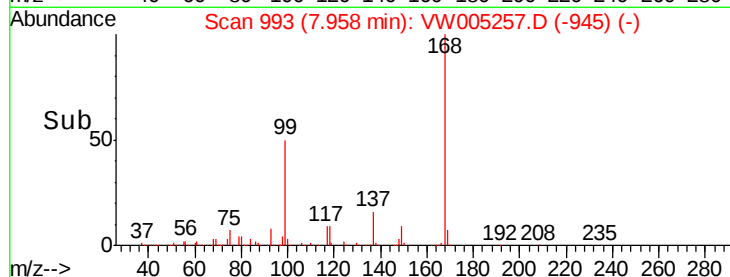
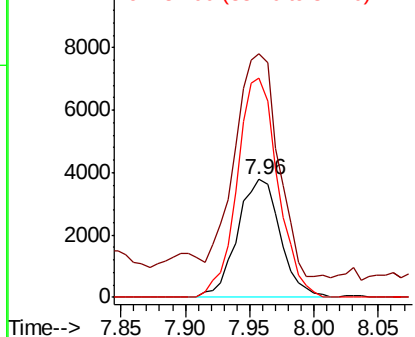
#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.01 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

Instrument :
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ClientSampleId :
SUP-1A-G-090718-1

Tgt Ion: 56 Resp: 8706
Ion Ratio Lower Upper
56 100
69 188.4 27.8 41.8#
84 186.6 72.1 108.1#

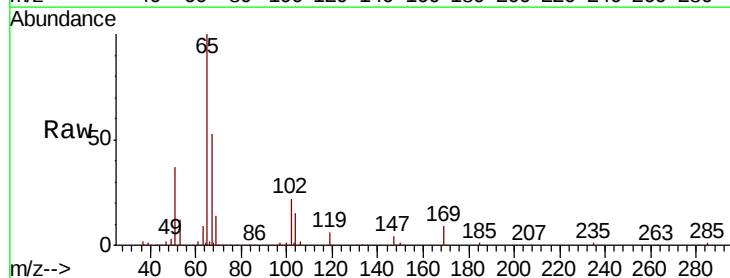


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

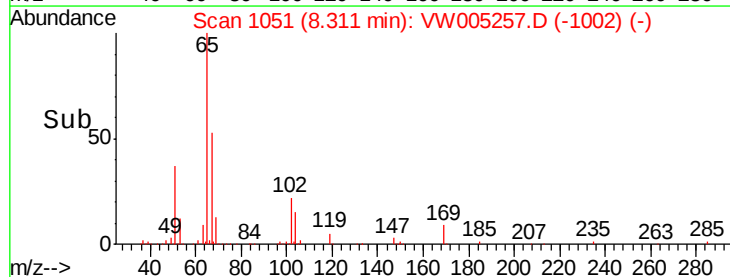
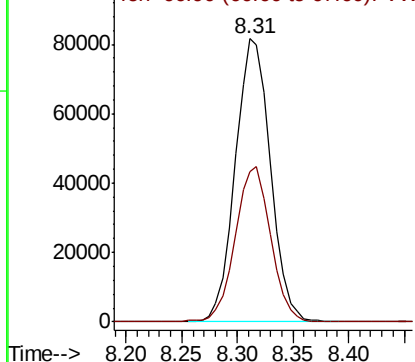


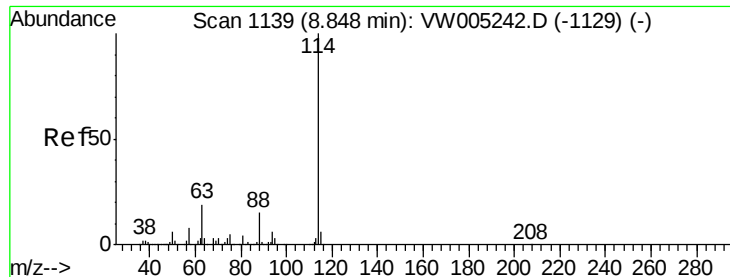
#33
1,2-Dichloroethane-d4
Concen: 48.436 ug/l
RT: 8.31 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

Tgt Ion: 65 Resp: 178542
Ion Ratio Lower Upper
65 100
67 55.5 0.0 112.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

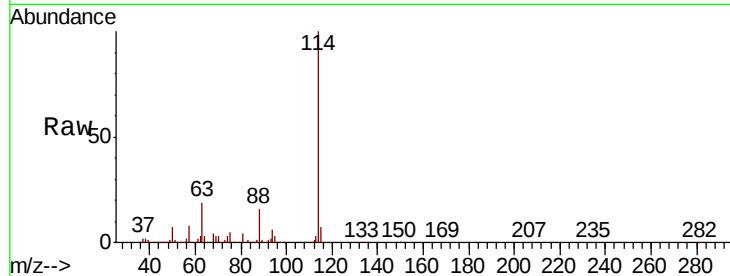




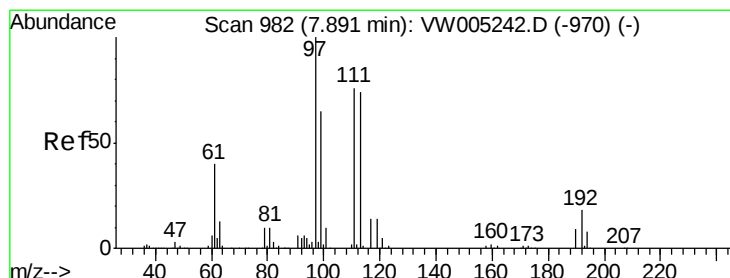
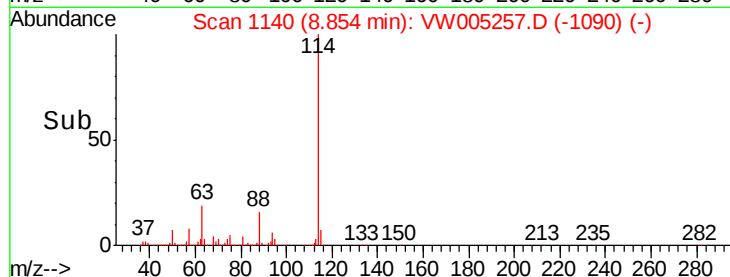
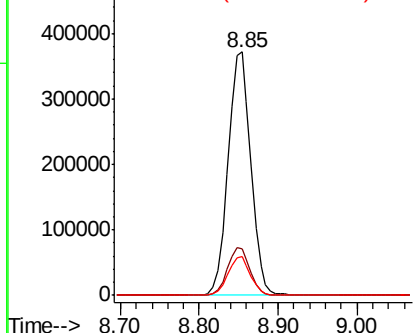
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VW005257.D
 Acq: 10 Sep 2018 22:35

Instrument :
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Tgt Ion:114 Resp: 745473
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.0
 88 15.8 0.0 30.4

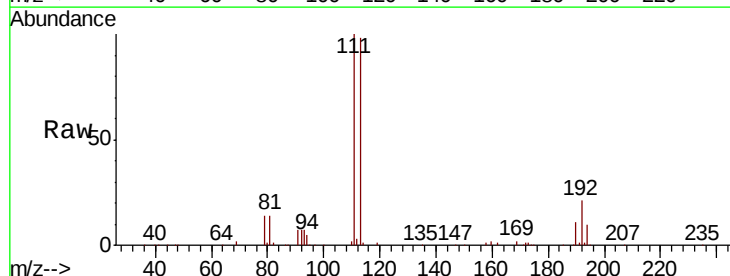


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

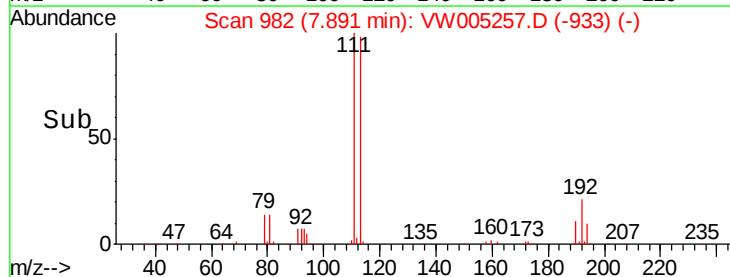
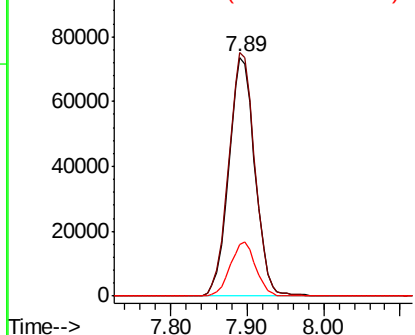


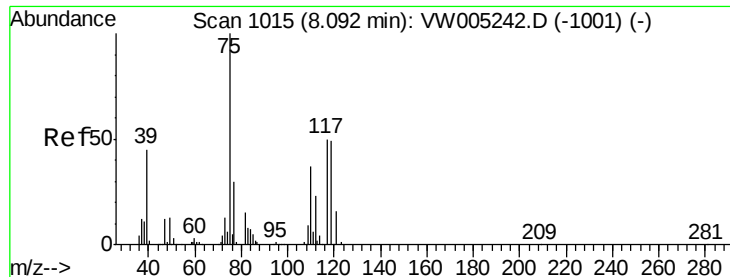
#35
 Dibromofluoromethane
 Concen: 44.146 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005257.D
 Acq: 10 Sep 2018 22:35

Tgt Ion:113 Resp: 172393
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.6 121.0
 192 22.1 18.3 27.5



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.13 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-1

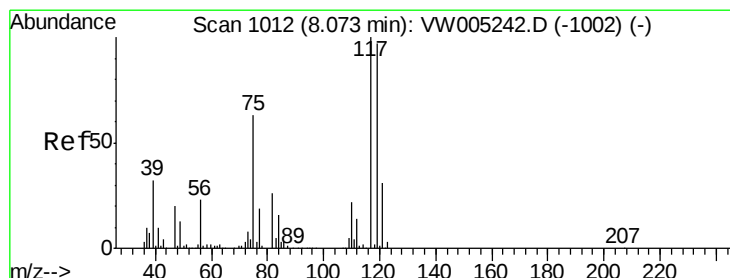
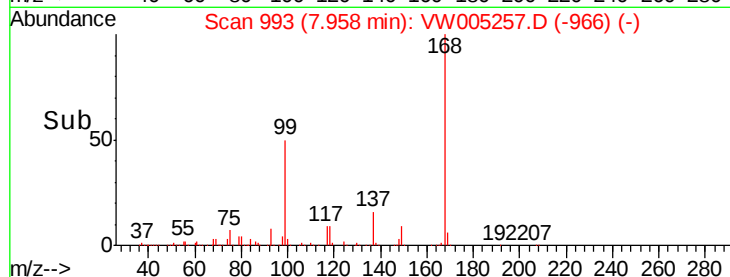
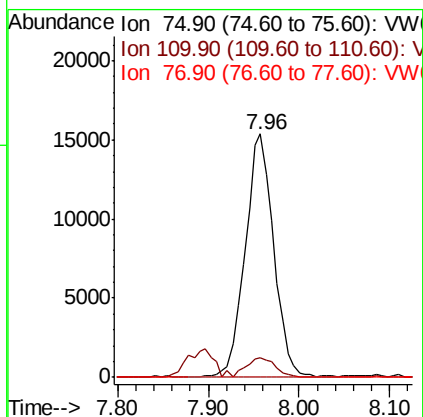
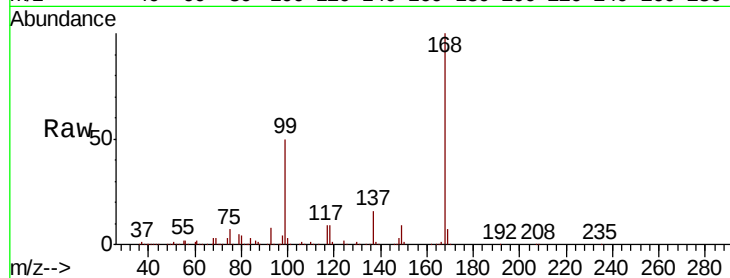
Tgt Ion: 75 Resp: 33427

Ion Ratio Lower Upper

75 100

110 8.2 18.8 56.4#

77 0.1 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.801 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.12 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

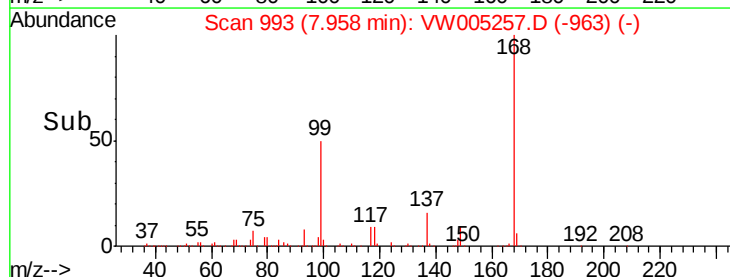
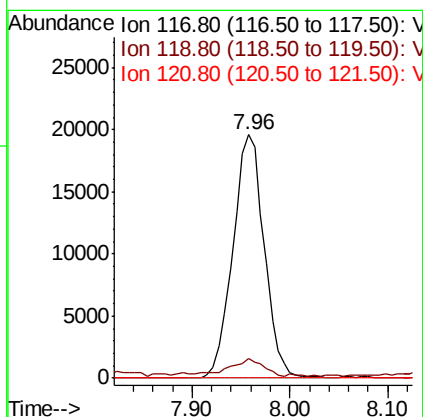
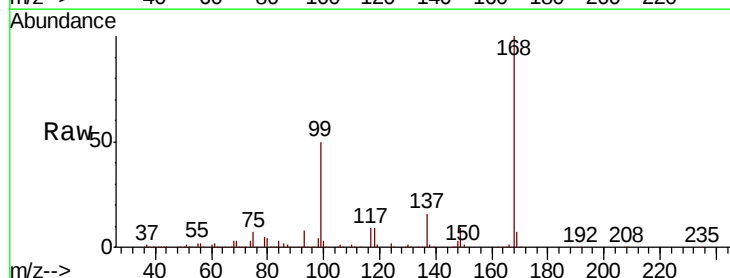
Tgt Ion: 117 Resp: 43509

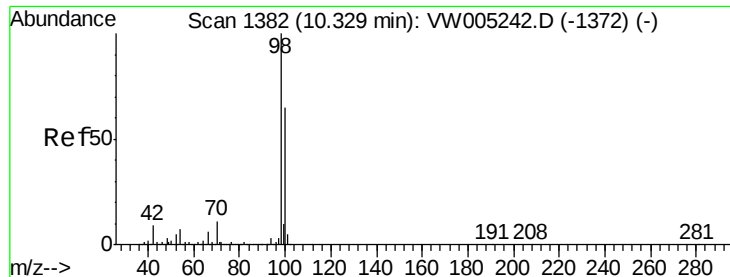
Ion Ratio Lower Upper

117 100

119 7.0 77.5 116.3#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 37.868 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

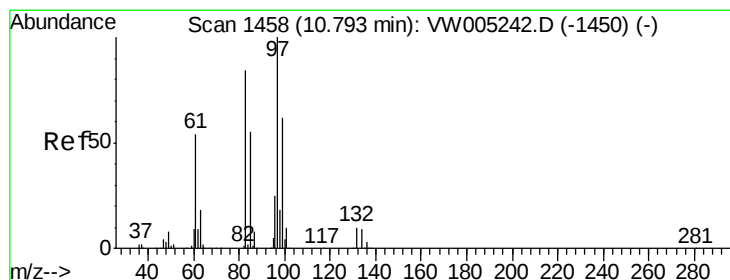
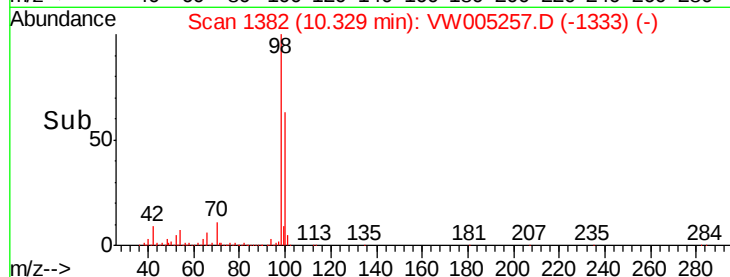
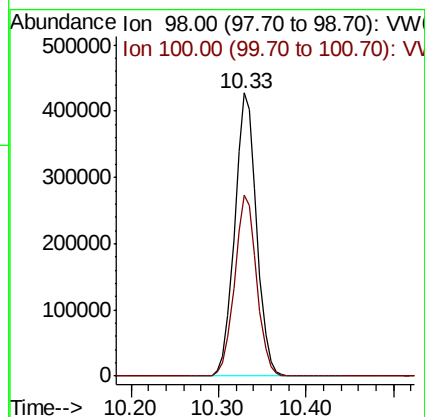
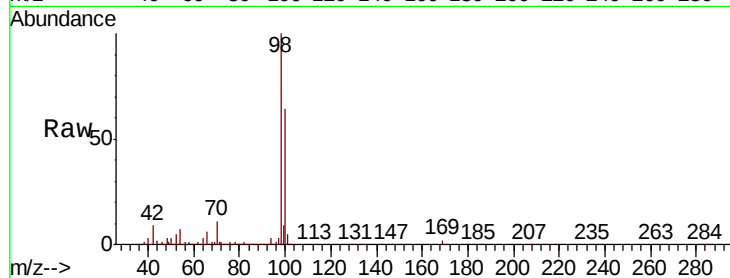
SUP-1A-G-090718-1

Tgt Ion: 98 Resp: 747245

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#55

1,1,2-Trichloroethane

Concen: 1.483 ug/l

RT: 10.82 min Scan# 1463

Delta R.T. 0.03 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

Tgt Ion: 97 Resp: 5599

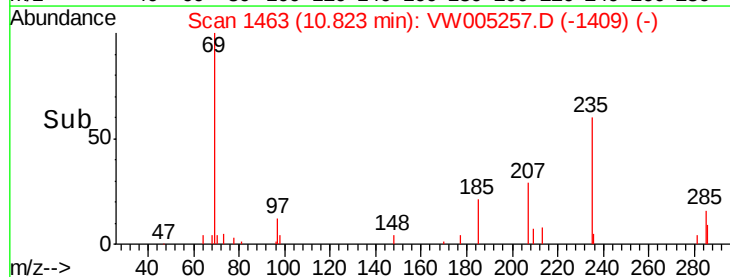
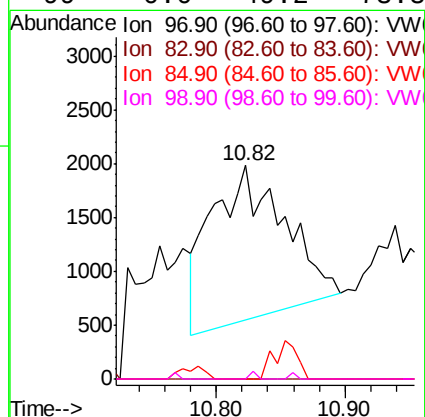
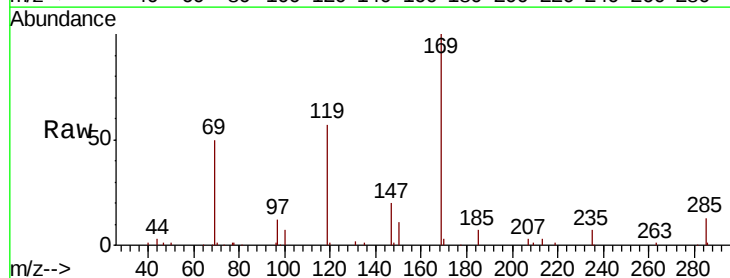
Ion Ratio Lower Upper

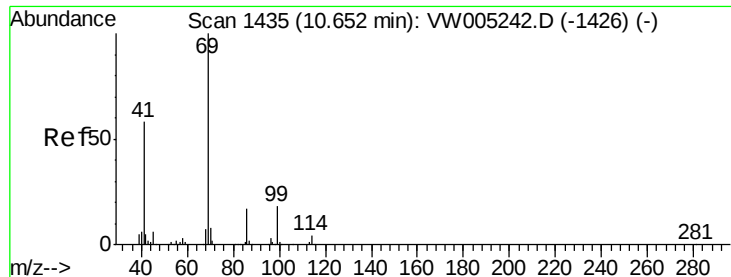
97 100

83 0.0 67.2 100.8#

85 0.0 44.4 66.6#

99 0.0 49.2 73.8#

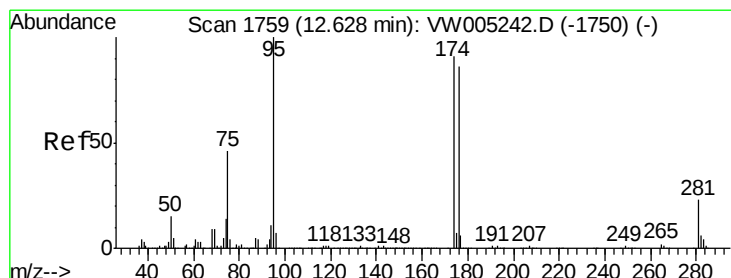
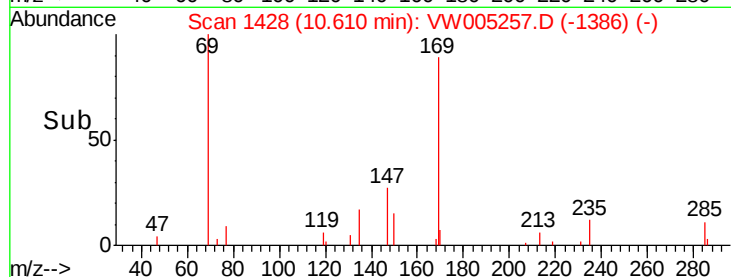
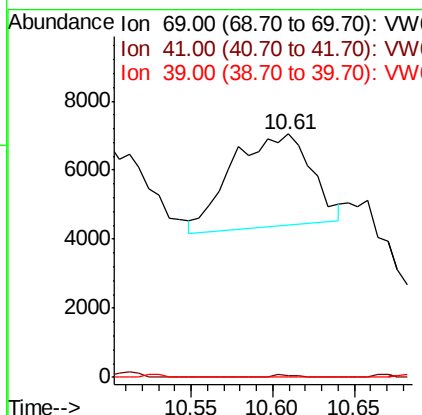
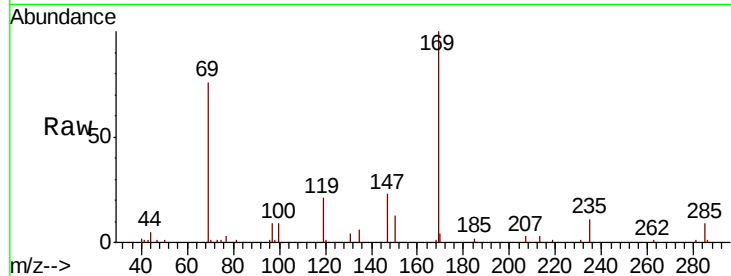




#56
Ethyl methacrylate
Concen: 1.879 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.04 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

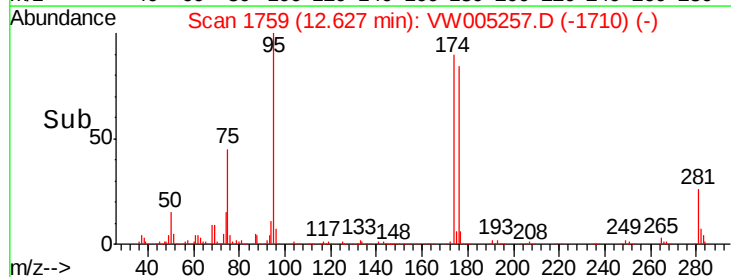
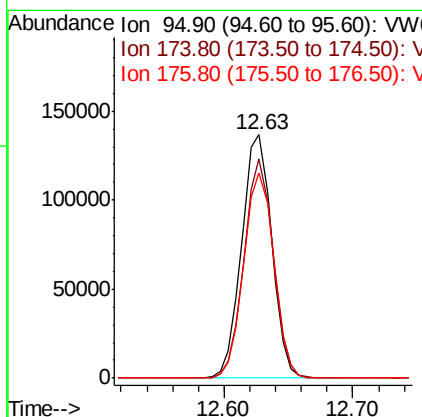
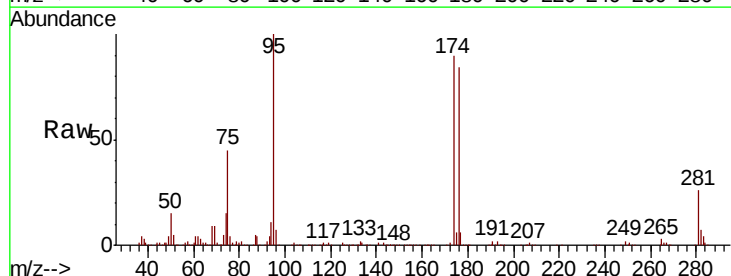
Instrument :
MSVOA_W
ClientSampleId :
SUP-1A-G-090718-1

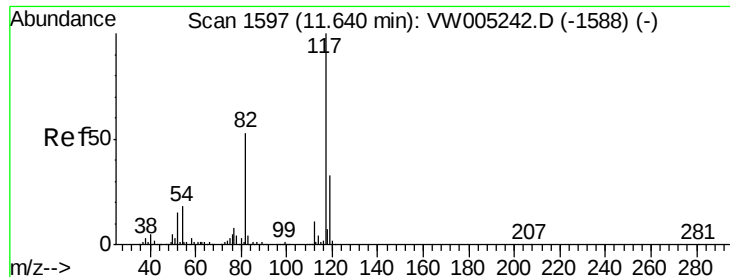
Tgt Ion: 69 Resp: 8994
Ion Ratio Lower Upper
69 100
41 0.8 48.7 73.1#
39 0.0 20.9 31.3#



#62
4-Bromofluorobenzene
Concen: 30.512 ug/l
RT: 12.63 min Scan# 1759
Delta R.T. -0.00 min
Lab File: VW005257.D
Acq: 10 Sep 2018 22:35

Tgt Ion: 95 Resp: 220225
Ion Ratio Lower Upper
95 100
174 87.6 0.0 174.6
176 84.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

Instrument :

MSVOA_W

ClientSampleId :

SUP-1A-G-090718-1

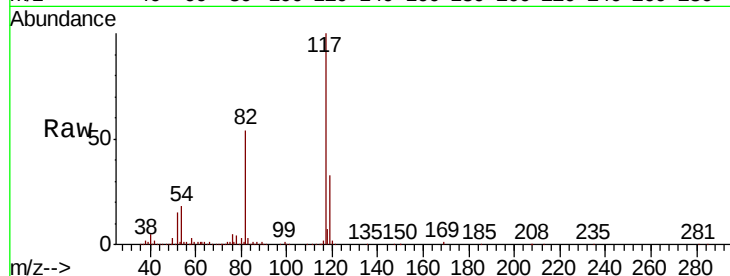
Tgt Ion:117 Resp: 657476

Ion Ratio Lower Upper

117 100

82 53.8 42.6 63.8

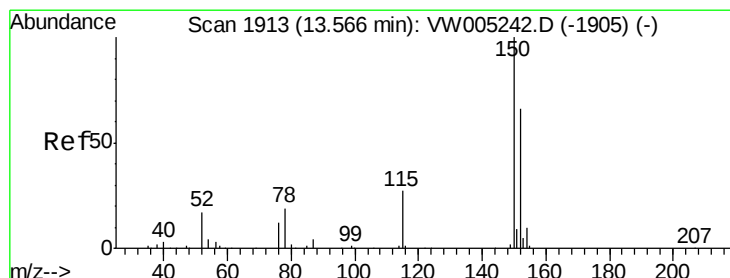
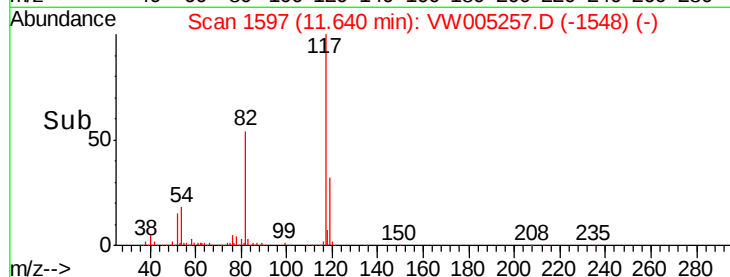
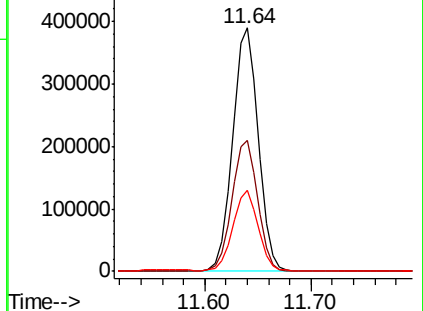
119 33.0 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005257.D

Acq: 10 Sep 2018 22:35

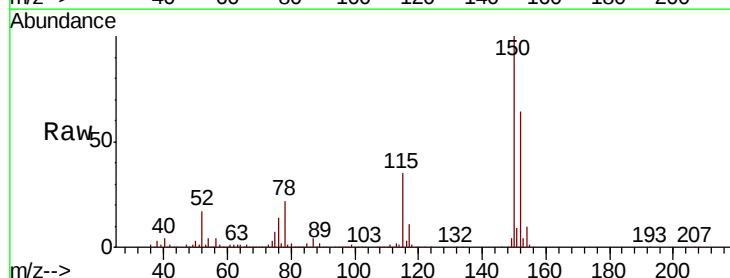
Tgt Ion:152 Resp: 258756

Ion Ratio Lower Upper

152 100

115 56.5 27.5 82.4

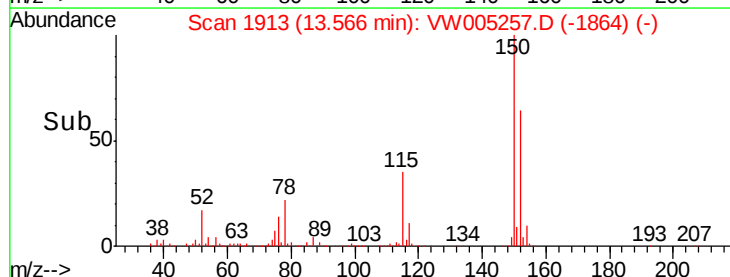
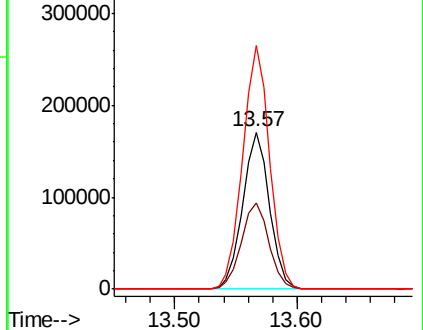
150 156.4 0.0 347.4

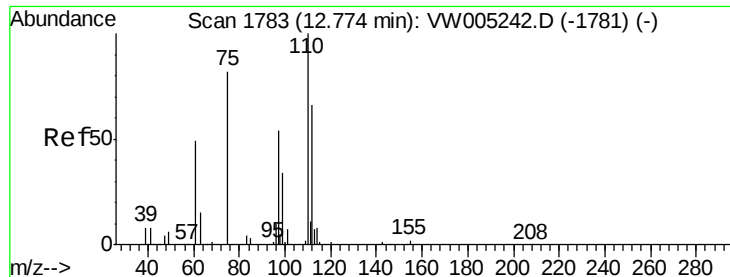


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

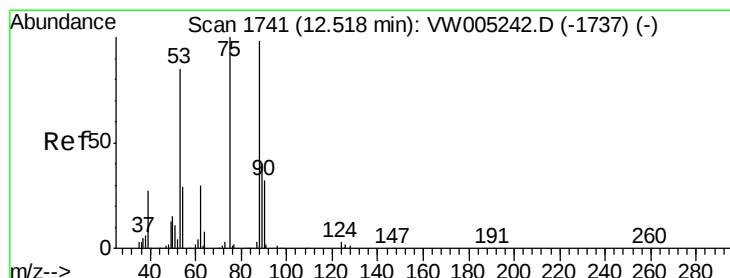
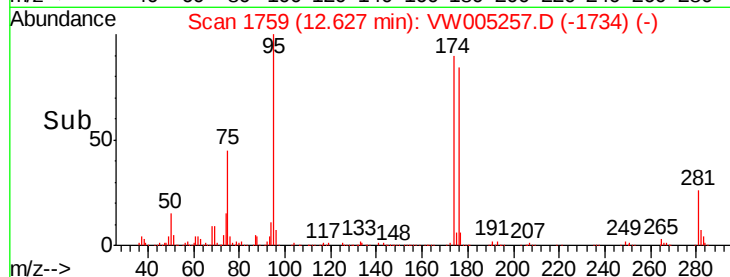
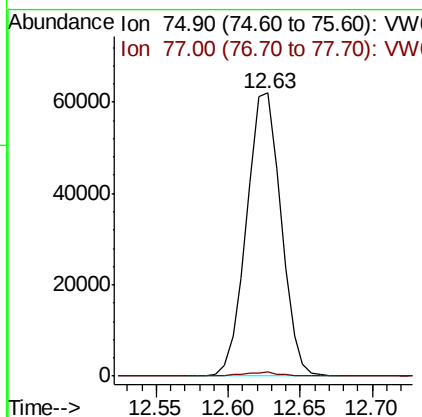
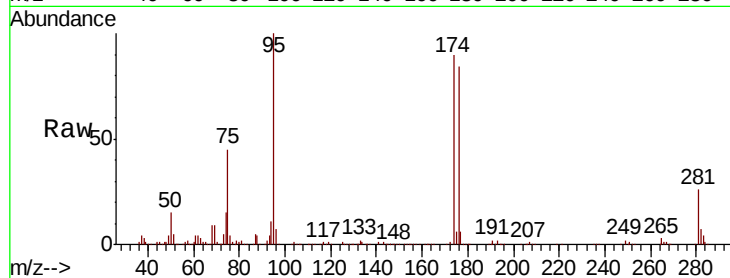




#76
 1,2,3-Trichloropropane
 Concen: 51.566 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.15 min
 Lab File: VW005257.D
 Acq: 10 Sep 2018 22:35

Instrument :
 MSVOA_W
 ClientSampleId :
 SUP-1A-G-090718-1

Tgt Ion: 75 Resp: 102627
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.933 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.11 min
 Lab File: VW005257.D
 Acq: 10 Sep 2018 22:35

Tgt Ion: 75 Resp: 102627
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.0 100.6#
 89 0.2 37.0 55.4#

